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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/502,882	02/11/2000	Dhritiman Banerjee	56115534-118128	5822
22046	7590 07/02/2003			
LUCENT TECHNOLOGIES INC.			EXAMINER	
DOCKET ADMINISTRATOR 101 CRAWFORDS CORNER ROAD - ROOM 3J-219 HOLMDEL, NJ 07733		- ROOM 3J-219	EMDADI, KAMRAN	
			ART UNIT	PAPER NUMBER
			2667	1 +
			DATE MAILED: 07/02/2003	9

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. Applicant(s) 09/502,882 BANERJEE ET AL.					
I 09/502 882 I BANER IFE ET AI					
Office Action Summany					
Office Action Summary Examiner Art Unit					
- The MAILING DATE of this communication appears on the cover sheet with the correspondence address -					
Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status					
1)⊠ Responsive to communication(s) filed on <u>11 February 2000</u> .					
2a) ☐ This action is FINAL . 2b) ☑ This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>1-12</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1,2,4-8 and 10-12</u> is/are rejected.					
7) Claim(s) <u>3 and 9</u> is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement. Application Papers					
9) The specification is objected to by the Examiner.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.					
If approved, corrected drawings are required in reply to this Office action.					
12) The oath or declaration is objected to by the Examiner.					
Priority under 35 U.S.C. §§ 119 and 120					
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) All b) Some * c) None of:					
 Certified copies of the priority documents have been received. 					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.					
14)⊠ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).					
 a) The translation of the foreign language provisional application has been received. 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 5) Notice of Informal Patent Application (PTO-152) 6) Other:					

Application/Control Number: 09/502,882

Art Unit: 2664

DETAILED ACTION

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 4 and 10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
 - Regarding claims 4 and 10, the reference made to a PHY chip is not understood by one of ordinary skill in the art as the type of chip a PHY represents, nor is the term PHY enabled in the specification, appropriate action is required.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claims 1, 2, 5-8, 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Upp et al. (US Patent No. 5040170) in view of Fatehi et al. (US Patent No. 6535313).
 - Regarding claims 1, 2, 5-8, 11 and 12, Upp teaches: a gigabit multiplexing system that uses bits with multiplexing and de-multiplexing units (Col 3, lines 52-

Page 3

Application/Control Number: 09/502,882

Art Unit: 2664

63), with a loss of signal indicator that causes a bit to be set for immediate action and consideration (Gol 11, lines 25-35). Fatchi teaches: a TDM multiplexing unit that converts between optical and electrical signals for a multiplexing system that operates out of a router and includes a standard of Gigabit Ethernet (Col 5, lines 43-63), and MUX 204 and DEMUX 202 units but fails to teach of a transceiver used to operate as a loss of signal detector and a code use to represent a signal loss. Therefore it would have been obvious to one or ordinary skill in the art at the time the invention was made to have included a loss of signal indicator for a gigabit multiplexing system with the current standard of Gigabit Ethernet for a popular high speed communication multiplexed protocol included in a redundant communication system.

Conclusion

- 7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - Stephens et al. (US Patent No. 6388782) DWDM and optical switching.
 - Cheng et al. (US Patent No. 6151336) TDM expansion system.
 - Muller et al. (US Patent No. 6044087) Ethernet network interface.
 - Abeles et al. (US Patent No. 6014237) DWDM optical system.
 - Xi et al. (US Patent No. 5982309) TDM and gigabit Ethernet.

Allowable Subject Matter

Page 4

Application/Control Number: 09/502,882

Art Unit: 2664

- 5. Claims 3 and 9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 6. The following is a statement of reasons for the indication of allowable subject matter:

 The prior art made references made to record taken individually or in combination
 fail to teach of a second loss of signal detector that generates a deactivate signal and
 transmits that signal to a second optical transceiver. The closest art Upp (5040170)
 teaches: "404 also monitors for loss of signal, loss of frame, loss of pointer, and
 receives the STS-line Alarm Indication Signal (AIS)." But does not indicate a second
 transceiver or a second loss of signal.
- 8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kamran Emdadi whose telephone number is (703) 305-4899. The examiner can normally be reached between the hours of 8am and 5pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin, can be reached at (703) 305-4366. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 872-9314 for regular communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

PRIMARY EXAMINER

MANI

Kamran Emdadi

06/17/2003

Application/Control Number: 09/502,882

Art Unit: 2664

Page 5